

PTO/SB/088 (07-05)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	09/780,901		
		Filing Date	02/09/2001		
		First Named Inventor	Boehm, Charlene A.		
		Art Unit	1631		
		Examiner Name	Marjorie A. Moran		
Sheet	1	of	2	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	PATERSON, D., "Electric Genes", Scientific American: 33-34 (May 1995).	
	2	PURUGGANAN, MD et al, "Accelerated Electron Transfer Between Metal Complexes Mediated by DNA", Science 241: 1645-1649 (23 Sept 1988).	
	3	MURPHY CJ et al, "Long-Range Photoinduced Electron Transfer Through a DNA Helix", Science 262: 1025-1029 (12 Nov 1993).	
	4	DE PABLO, PJ et al, "Absence of dc-Conductivity in lambda-DNA", Phys. Rev. Lett. 85 (23): 4992-4995 (4 Dec 2000).	
	5	STORM, AJ et al, "Insulating behavior for DNA molecules between nanoelectrodes at the 100 nm length scale", Applied Physics Letters 79 (23): 3881-3883 (3 Dec 2001).	
	6	ZHANG, Y et al, "Insulating behavior of lambda-DNA on the micron scale", Phys. Rev. Lett. 89, 198102 (2002).	
	7	GOMEZ-NAVARRO, C. et al, "Contactless experiments on individual DNA molecules show no evidence for molecular wire behavior", Proceedings of the National Academy of Sciences U.S.A. 99 (13): 8484-8487 (25 June 2002).	
	8	PORATH, D et al, "Charge Transport in DNA-Based Devices", Top. Curr. Chem. 237: 183-227 (2004).	
	9	KLEINE, H et al, "Absence of intrinsic electric conductivity in single dsDNA molecules", Journal of Biotechnology 112 (1-2): 91-95 (26 Aug 2004).	
	10	TAKASHIMA, Shiro. "Bound Water in Biological Macromolecules", chapter 8 from Electrical Properties of Biopolymers and Membranes. Bristol: Adam Hilger, 1989, p. 252-254.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete If Known

Sheet 2 of 2	Application Number	09/780,901
	Filing Date	02/09/2001
	First Named Inventor	Boehm, Charlene A.
	Art Unit	1631
	Examiner Name	Marjorie A. Moran
Attorney Docket Number		

NON PATENT LITERATURE DOCUMENTS

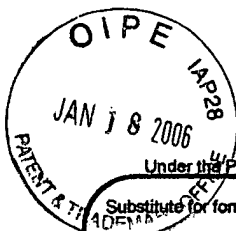
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	HENNEY, Keith. Radio Engineering Handbook. New York: McGraw-Hill, 5th edition, 1959, p. 20-67.	
	12	CARR, Joseph J. Practical Antenna Handbook. New York: TAB Books, 2nd edition, 1994, p. 288-289.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (07-05)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/780,901
Filing Date	02/09/2001
First Named Inventor	Boehm, Charlene A.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	
Sheet 1	of 1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	The American Heritage Dictionary of the English Language. Boston: Houghton-Mifflin, 2000, p. 734	
	2	BENSON, DA et al, "GenBank", Nucleic Acids Research 27 (1): 12-17 (1999).	
	3	LIDE, D. ed., CRC HANDBOOK OF CHEMISTRY AND PHYSICS. Boca Raton: CRC Press, 1995, pp. 1-1, 2-3, 2-4, 12-51.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.